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HW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Yang Wang

Art Unit : 2881

Serial No. : 10/764,252

Examiner : David Vanore

Filed : 01/23/2004

Title : ION TRAP MASS SPECTROMETRY

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

REPLY TO ACTION OF OCTOBER 8, 2004

Dear Commissioner:

Responsive to the office action dated October 8, 2004, application owner respectfully traverses the requirement for restriction and provisionally elects species I which includes claims 1-5, 7, 17-23, 25, 26, 29, 30, 33, 34, 37, 38, 41-44, 47-52, and 64-65 for further prosecution in this application.

The claims 24 and 66 were missing from previous restriction action: they were NOT included in either restricted species I-V by examiner. Claim 24 and 66 are listed as follows:

- 24. (Currently amended) The ion trap of claim 16 65 wherein said mechanism being an electrical switching device.
- 66. (New) An ion trap of claim 2, said means for electrically switch includes operating said even number of equal parts to switch said ion trap operation between a three-dimensional mode and a two-dimensional mode and wherein said ion trap further includes means for generating a linear RF multipole field when said ion trap operating under the two-dimensional mode.

The Claims 24 and 66 are dependent claims. According to the dependency, they should belong to species I. Therefore, they should be included in provisionally-elected species I.

AMENDMENT

To expedite the process, please amend the claim 63 as follows.

63. (Currently amended) The ion trap of claim ~~62~~ 2 wherein said ring electrode is a cylindrical ring electrode.